



CLAIMS:

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1/.	A method of communicating between a wireless unit and a packet data
network, said	method comprising:

sending a setup packet over a circuit switched link between said wireless unit
and a base station to establish a data session between said wireless unit and said
packet data network; and

using a packet switched link between said wireless unit and said base station for said data session.

2. The method of claim 1 including:

establishing said circuit switched link between said wireless unit and said base station.

3. The method of claim 1 wherein sending includes:

using an established circuit switched link between said wireless unit and said base station.

4. The method of claim 3 further including:

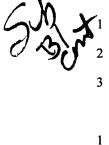
2 multiplexing said setup packet with a traffic frame over said circuit switched 3 link.

- The method of claim 4 wherein said step of multiplexing including the step of:
- multiplexing said setup packet with a voice frame over a circuit switched link.
 - 6. The method of claim 5 including the step of:

maintaining said circuit switched link for at least the duration of a voice call on said circuit switched link.



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7. The method of claim 2 including the step of:
maintaining said circuit switched link for at least the duration of a link layer
connection under said data session.

8. The method of claim 1 wherein said step of using including the step of: making a request for resources to send data packets for said data session; temporarily allocating a wireless resource in response to said request; and sending data packets for said data session on said wireless resource.

9. The method of claim 8 wherein said step of being and sending further including the step of:

using temporary assignments of supplemental channels as said wireless resource for sending said data packets for said data session.

10. The method of claim 8 wherein said step of sending further including the step of:

sending data packets for said data session on a reverse circuit switched link from said wireless unit to a base station.

11. The method of claim 8 wherein said step of sending further including the step of:

sending data packets for said data session on a forward circuit switched link from a base station to said wireless unit.

12. The method δf claim 1 wherein said sending including:

sending by said wireless unit a setup packet over said circuit switched link between said wireless unit and said base station to establish said data session between said wireless unit and said packet data network.

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13. The method of claim 1 wherein said sending including: sending by said base station a setup packet over said circuit switched link between said wireless unit and said base station to establish said data session between said wireless unit and said packet data network.

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